

IN THE CLAIMS:

Kindly amend claims 4 and 15 as follows:

4. The method of Claim 1, wherein the composition containing dioxin precursors comprises at least one selected from the group consisting of (i) a wastewater treatment sludge (ii) solid organic residues and (iii) a mixture of chlorinated solvents.

15. A method comprising:

(a) adding sulfur, or another halogenation suppressant, or mixtures thereof to a composition containing dioxin precursors that comprises at least one selected from the group consisting of (i) a wastewater treatment sludge (ii) solid organic residues and (iii) a mixture of halogenated solvents,

(b) incinerating the composition containing dioxin precursors at a temperature that is at least about 800°C, thereby forming a gaseous medium,

(c) reducing heat in the gaseous medium formed in step (b) to a temperature that is below about 200°C,

(d) removing ash from the gaseous medium,

(e) adding activated powder to the gaseous medium formed in step (d) at a rate that is at least about 0.0007 kg, per about 100 m³ of gaseous medium,

(f) removing acid gases and particulates from the gaseous medium formed in step (e).